

INTERNATIONAL SEARCH REPORT

International Application No

T/GB2004/004171

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G06F17/30 G06F17/60

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/016779 A1 (BIBAS GREGORY M ET AL) 7 February 2002 (2002-02-07) the whole document	1-45
X	WO 02/29508 A (LEE SWEE HOONG ; SOH TEONG GEE (SG)) 11 April 2002 (2002-04-11) the whole document	1-45
X	US 2003/115111 A1 (FISHER DOUGLAS C) 19 June 2003 (2003-06-19) the whole document	1-45
X	EP 0 967 545 A (BRITISH TELECOMM) 29 December 1999 (1999-12-29) the whole document	1-45
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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8 document member of the same patent family

Date of the actual completion of the international search

14 December 2004

Date of mailing of the international search report

22/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Huber, A

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T/GB2004/004171

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 278 993 B1 (RAJAN SREERANGA P ET AL) 21 August 2001 (2001-08-21) the whole document -----	1-45
X	WO 99/52042 A (FIROUZFAR REZA ; TELIA AB (SE); HUHTA ANNE MARIE (SE); ISAKSSON LENNAR) 14 October 1999 (1999-10-14) the whole document -----	1-45
X	WO 00/46687 A (DEALTIME COM LTD ; DEALTIME COM LTD (US)) 10 August 2000 (2000-08-10) the whole document -----	1-45
X	US 2003/050865 A1 (RAVI KUMAR ET AL) 13 March 2003 (2003-03-13) the whole document Pages 6-7, figure 5 -----	1-45
X	US 5 331 546 A (KANGAS SANDRA E ET AL) 19 July 1994 (1994-07-19) the whole document -----	1-45
X	US 5 237 499 A (GARBACK BRENT J) 17 August 1993 (1993-08-17) the whole document -----	1-45
X	US 5 794 207 A (JORASCH JAMES A ET AL) 11 August 1998 (1998-08-11) the whole document figure 11 -----	1-45
A	US 2002/132616 A1 (RICHTER MATTHIAS ET AL) 19 September 2002 (2002-09-19) the whole document -----	1-45

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PT/GB2004/004171

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2002016779	A1	07-02-2002	AU 7727801 A EP 1323088 A1 WO 0211042 A1	13-02-2002 02-07-2003 07-02-2002
WO 0229508	A	11-04-2002	AU 2525002 A WO 0229508 A2	15-04-2002 11-04-2002
US 2003115111	A1	19-06-2003	NONE	
EP 0967545	A	29-12-1999	EP 0967545 A1 AU 4283399 A EP 1090346 A1 WO 9967708 A1	29-12-1999 10-01-2000 11-04-2001 29-12-1999
US 6278993	B1	21-08-2001	US 6199077 B1 US 2002032782 A1 AU 758865 B2 AU 4359300 A BR 0011015 A CN 1353838 T EP 1192558 A1 JP 2003501725 T WO 0073921 A1 US 2003120774 A1 US 2002023104 A1 US 6477565 B1 US 2002078079 A1 US 2003191832 A1 US 6725425 B1 US 2001000537 A1 US 2001016034 A1 US 2001023414 A1 US 2003187925 A1 US 2001032182 A1 US 2001051907 A1 US 2002007330 A1 US 2002095651 A1 US 2002019810 A1 US 2002015480 A1 AU 1739600 A WO 0034873 A1 US 2002184534 A1 US 2004107269 A1 US 2002059369 A1	06-03-2001 14-03-2002 03-04-2003 18-12-2000 19-02-2002 12-06-2002 03-04-2002 14-01-2003 07-12-2000 26-06-2003 21-02-2002 05-11-2002 20-06-2002 09-10-2003 20-04-2004 26-04-2001 23-08-2001 20-09-2001 02-10-2003 18-10-2001 13-12-2001 17-01-2002 18-07-2002 14-02-2002 07-02-2002 26-06-2000 15-06-2000 05-12-2002 03-06-2004 16-05-2002
WO 9952042	A	14-10-1999	EE 200000576 A EP 1076866 A2 NO 20004840 A SE 9801181 A WO 9952042 A2	15-04-2002 21-02-2001 01-12-2000 04-10-1999 14-10-1999
WO 0046687	A	10-08-2000	AU 2868000 A AU 2868100 A EP 1076869 A1 WO 0046686 A1 WO 0046687 A1	25-08-2000 25-08-2000 21-02-2001 10-08-2000 10-08-2000
US 2003050865	A1	13-03-2003	NONE	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

US/GB2004/004171

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5331546	A	19-07-1994	US 5021953 A	04-06-1991
US 5237499	A	17-08-1993	AU 3066292 A	15-06-1993
			CA 2123230 A1	27-05-1993
			WO 9310502 A1	27-05-1993
US 5794207	A	11-08-1998	AU 733969 B2	31-05-2001
			AU 4247997 A	26-03-1998
			BR 9713193 A	21-12-1999
			CA 2273176 A1	12-03-1998
			CN 1244270 A	09-02-2000
			EP 0954817 A1	10-11-1999
			JP 2001527666 T	25-12-2001
			WO 9810361 A1	12-03-1998
			US 6332129 B1	18-12-2001
			US 6041308 A	21-03-2000
			US 2002178069 A1	28-11-2002
			US 6510418 B1	21-01-2003
			US 6754636 B1	22-06-2004
			US 2002178071 A1	28-11-2002
			US 6466919 B1	15-10-2002
			US 2004243478 A1	02-12-2004
			US 6085169 A	04-07-2000
			US 6345090 B1	05-02-2002
			US 6484153 B1	19-11-2002
			US 6240396 B1	29-05-2001
			US 6134534 A	17-10-2000
			US 6553346 B1	22-04-2003
			US 6418415 B1	09-07-2002
			US 6119100 A	12-09-2000
			US 6108639 A	22-08-2000
			US 6356878 B1	12-03-2002
US 2002132616	A1	19-09-2002	NONE	